

09/16/03

18334 U.S. PTO

22388 U.S. PTO

10/682819

09/16/03

**UTILITY PATENT  
APPLICATION TRANSMITTAL**(Only for new nonprovisional applications  
under 37 CFR 1.53(b))

Check Box, if applicable [ ] Duplicate

Attorney Docket No.

031171

Total Pages

First Named Inventor or Application Identifier

**Hiroji EBE, Yoshiaki NAKATA, Mitsuru SUGAWARA,  
Takashi KITA, Osamu WADA and Yasuhiko ARAKAWA**

Express Mail Label No.

APPLICATION ELEMENTS For:

**QUANTUM OPTICAL SEMICONDUCTOR DEVICE**

ADDRESS TO:

Commissioner for Patents  
MAIL STOP PATENT APPLICATIONS  
P.O. Box 1450  
Alexandria, VA 22313-14501. ☒ Fee Transmittal Form (Incorporated within this form)(**The filing fee is deferred**).2. ☒ Specification Total Pages **[31]**3. ☒ Drawing(s) (35 USC 113) Total Sheets **[12]**

4. [ ] Oath or Declaration Total Pages [ ]

**NOT attached; deferred under P.L. 97-247.**

a. [ ] Newly executed (original)

b. [ ] Copy from prior application (37 CFR 1.63(d)  
(for continuation/divisional with Box 17 completed).i. [ ] Deletion of Inventor(s)Signed statement attached deleting inventor(s) named in prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).

5. [ ] Incorporation by reference (useable if box 4b is checked)

The entire disclosure of the prior application, from which a copy of the oath or declaration is  
supplied under Box 4b, is considered as being part of the disclosure of the accompanying  
application and is hereby incorporated by reference therein.

6. [ ] Microfiche Computer Program (Appendix)

7. [ ] Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

a. [ ] Computer Readable Copy

b. [ ] Paper Copy (identical to computer copy)

c. [ ] Statement Verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**8. [ ] Assignment to ***FUJITSU LIMITED, Kawasaki, Japan.*****Please publish the assignee data with the application.**

9. [ ] 37 CFR 3.73(b) Statement (when there is an assignee) [ ] Power of Attorney

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10. ☐ English translation Document (if applicable)
11. ☒ Information Disclosure Statement [1] Copy of IDS Citations (4 references) and PTO-1449
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
14. ☐ Small Entity Status is claimed.
15. ☒ Claim for Convention Priority [1] Certified copy of Priority Document is enclosed
- a. Priority of Japanese application no. 2002-273178 filed on September 19, 2002 is claimed under 35 USC 119.
16. ☐ Other \_\_\_\_\_
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:
- ☐ Continuation ☐ Division ☐ Continuation-in-part (CIP) of prior application no. \_\_\_\_\_.

FEE TRANSMITTAL The filing fee is calculated below	Number Filed	Number Extra	Rate	Basic Fee
Total Claims	19 - 20		x \$18.00	
Independent Claims	3 - 3		x \$84.00	
Multiple Dependent Claims			\$280.00	
Filing Fee				<b>\$750.00</b>
Reduction by 1/2 for small entity				
Fee for recording Assignment			\$40.00	<b>\$ 40.00</b>
TOTAL				<b>\$790.00</b>

**XX NO FEE ENCLOSED. THE FILING FEE IS DEFERRED.**

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- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed to cover the filing fee of \$\_\_\_\_\_ and the assignment recordation fee of \$\_\_\_\_\_.
- ☐ Please charge our Deposit Account No. **01-2340** in the total amount of \_\_\_\_\_ to cover the filing fee and the \_\_\_\_\_ assignment recordation fee. A duplicate of this sheet is attached.
- ☐ The Commissioner is hereby authorized to charge payment for any additional filing fees required under 37 CFR 1.16 or credit any overpayment to Deposit Account No. **01-2340**.

**18. CORRESPONDENCE ADDRESS:**

ARMSTRONG, WESTERMAN & HATTORI, LLP  
Suite 1000, 1725 K Street, N.W.  
Washington, D. C. 20006  
Tel: (202) 659-2930  
Fax: (202) 887-0357



**23850**

PATENT TRADEMARK OFFICE

Typed or Printed Name **Donald W. Hanson**

Reg. No. **27,133**

Signature

Date: **September 16, 2003**

DWH:jaz